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# Customer information packet

## ECS101M5H7FF4

7.5HP, 1800RPM, 3PH, 60HZ, 215T, 3730B, TEFC, F

Class - None

Division - Not Applicable

## Specifications

|                                |                           |
|--------------------------------|---------------------------|
| Enclosure                      | TEFC                      |
| Frame                          | 215T                      |
| Frame Material                 | Steel                     |
| Frequency                      | 60.00 Hz                  |
| Haz Area Class and Group       | None                      |
| Haz Area Division              | Not Applicable            |
| Motor Letter Type              | Three Phase               |
| Output @ Frequency             | 7.500 HP @ 60 HZ          |
| Phase                          | 3                         |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ          |
| Voltage @ Frequency            | 575.0 V @ 60 HZ           |
| Agency Approvals               | CULUS<br>WEEE             |
| Ambient Temperature            | 40 °C                     |
| Auxiliary Box                  | NO AUXILLARY BOX          |
| Auxiliary Box Lead Termination | None                      |
| Base Indicator                 | Rigid                     |
| Bearing Grease Type            | Polyrex EM (-20F +300F)   |
| Blower                         | None                      |
| Constant Torque Speed Range    | 6                         |
| Current @ Voltage              | 7.000 A @ 575.0 V         |
| Design Code                    | B                         |
| Drip Cover                     | No Drip Cover             |
| Duty Rating                    | CONT                      |
| Efficiency @ 100% Load         | 94.8 %                    |
| Electrically Isolated Bearing  | Not Electrically Isolated |
| Feedback Device                | NO FEEDBACK               |
| Heater Indicator               | No Heater                 |
| High Voltage Full Load Amps    | 7.0 a                     |
| Insulation Class               | F                         |
| Inverter Code                  | Inverter Duty             |
| Lifting Lugs                   | No Lifting Lugs           |

## Part detail

|              |            |
|--------------|------------|
| Revision     | F          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 37WGA0051  |
| Layout       | 37LYQ435   |
| Eff. date    | 01-06-2025 |
| CD Diagram   | CD0006B03  |
| Poles        | 04         |
| Leads        | 3#12       |
| Proprietary  | False      |
| Created date | 07-07-2023 |

|                                   |                     |
|-----------------------------------|---------------------|
| <b>Locked Bearing Indicator</b>   | No Locked Bearing   |
| <b>Motor Lead Termination</b>     | Flying Leads        |
| <b>Motor Standards</b>            | NEMA                |
| <b>Motor Type</b>                 | 3730B               |
| <b>Mounting Arrangement</b>       | F1                  |
| <b>Number of Poles</b>            | 4                   |
| <b>Overall Length</b>             | 17.89 IN            |
| <b>Power Factor</b>               | 93                  |
| <b>Product Family</b>             | General Purpose     |
| <b>Pulley End Bearing Type</b>    | Ball                |
| <b>Pulley Face Code</b>           | Standard            |
| <b>Rodent Screen</b>              | None                |
| <b>Service Factor</b>             | 1.00                |
| <b>Shaft Diameter</b>             | 1.375 IN            |
| <b>Shaft Ground Indicator</b>     | Shaft Grounding     |
| <b>Shaft Rotation</b>             | Reversible          |
| <b>Speed</b>                      | 1800 rpm            |
| <b>Speed Code</b>                 | Single Speed        |
| <b>Starting Method</b>            | Full Voltage        |
| <b>Thermal Device - Bearing</b>   | None                |
| <b>Thermal Device - Winding</b>   | None                |
| <b>Vibration Sensor Indicator</b> | No Vibration Sensor |
| <b>Winding Thermal 1</b>          | None                |
| <b>Winding Thermal 2</b>          | None                |

## Nameplate

| NP3968C01A01 |                  |     |           |         |      |      |      |     |    |  |
|--------------|------------------|-----|-----------|---------|------|------|------|-----|----|--|
| CAT.NO.      | ECS101M5H7FF4    |     |           |         |      |      |      |     |    |  |
| SPEC.        | 37-0000-0499     |     |           |         |      |      |      |     |    |  |
| FRAME        | 215T             |     | ENCL.     |         | TEFC |      | IP   |     | 54 |  |
| HP           | 7.5              | 40  | C AMB     |         |      | CONT |      |     |    |  |
| NOM. EFF.    | 94.8             | PF  | 93        | SF      |      | 1    |      |     |    |  |
| VOLTS        | 575              |     | FLA       |         | 7    |      |      |     |    |  |
| RPM          | 1800             |     | RPM-MAX   |         |      | 4000 |      |     |    |  |
| HZ           | 60               | PH. | 3         | CLASS   |      | F    |      |     |    |  |
| BEMF (V)     | 286              |     | RS (OHMS) |         |      |      | 2.14 |     |    |  |
| LD (MH)      | 42               |     |           | LQ (MH) |      |      |      | 129 |    |  |
| VPWM         | CHP              | 60  | TO        | 100     |      |      |      |     |    |  |
| CT           | 6                | TO  | 60        | VT      |      | 1    | TO   | 100 |    |  |
| MATCHED INV  | ACS580-01-09A0-6 |     |           |         |      |      |      |     |    |  |
| DE           | 6307             |     | ODE       |         | 6206 |      |      |     |    |  |
| SERIAL #     |                  |     |           |         |      |      |      |     |    |  |



